

AMC FILE COPY

# DEPARTMENT OF THE ARMY

## JUSTIFICATION OF ESTIMATES FOR FY 1990/FY 1991 BIENNIAL BUDGET

### SUBMITTED TO CONGRESS

JANUARY 1989



DTIC  
SELECTED  
S E D  
3 FEB 1989  
E

### MISSILE PROCUREMENT, ARMY PROGRAMS

MISSILES	WEAPONS & TRACKED COMBAT VEHICLES	AMMUNITION	OTHER
89	2	3	105

This document has been approved  
for public release and sale is  
authorized.

AD-A204 020

DEPARTMENT OF THE ARMY  
MISSILE PROCUREMENT , ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1990/1991 BIENNIAL BUDGET

TABLE OF CONTENTS

	<u>PAGE NO.</u>
Section 1 - Budget Appendix Extract .....	2-1
Section 2 - Budget Activity Justifications .....	2-18
Section 3 - Comparison of Program Requirements and Financing .....	2-31

MISSILE PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Appropriation Language

Program and Financing Schedule

APPROPRIATION LANGUAGE

For construction, procurement, production, modification, and modernization of missiles, equipment, including ordnance, ground handling equipment, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes: \$2,907,900,000 to remain available for obligation until September 30, 1992.

Further, for the foregoing purposes, \$3,032,600,000, to become available for obligation on October 1, 1990 and to remain available for obligation until September 30, 1993. (10 U.S.C. 2353, 2361, 3013, 4531-32; Department of Defense Appropriations Act, 1989, as included in Public Laws 99-500 and 99-591, Section 101(c); additional authorizing legislation to be proposed).

Accession For	
NTIS GRA&I DTIC TAB	<input checked="" type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution /	
Availability Codes	
Avail and/or	
Dist.	Special

A-1



**Missile Procurement, Army  
Program and Financing (In Thousands of dollars)**

**SUMMARY**

**Budget Plan (amounts for PROCUREMENT  
actions programmed)**

Identification code	21-2032-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:					
Direct program:					
00.0101	Other missiles	1,893,034	2,157,075	2,459,252	2,701,260
00.0201	Modification of missiles	139,934	177,472	138,637	140,617
00.0301	Spares and repair parts	203,570	224,402	263,914	147,770
00.0401	Support equipment and facilities	31,735	33,059	46,097	42,953
00.9101	Total direct program	2,268,273	2,592,008	2,907,900	3,032,600
01.0101	Reimbursable program	428,432	566,600	281,600	281,600
10.0001	Total	2,696,705	3,158,608	3,189,500	3,314,200
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-391,774	-512,800	-243,700	-243,700
13.0001	Trust funds(-)	-32,568	-53,800	-37,900	-37,900
14.0001	Non-Federal sources(-)	-4,090			
17.0001	Recovery of prior year obligations Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans	-94,900		-94,690	
21.4007	Reprogramming from/to prior year budget plans	-119,858			
22.4001	Unobligated balance transferred to other accounts	45,792		94,690	
22.4002	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans				
24.4003	Available to finance subsequent year budget plans	94,690			
25.0001	Unobligated balance lapsing	28,276			
39.0001	Budget authority	2,222,273	2,592,008	2,907,900	3,032,600
Budget authority:					
40.0001	Appropriation:	2,332,237	2,602,800	2,907,900	3,032,600
40.0004	Reduction pursuant to P.L. 100-463		-792		
40.0017	Appropriation rescinded (unobligated balance)	-59,200			
41.0001	Transferred to other accounts(-)	-50,764	-10,000		
43.0001	Appropriation (adjusted)	2,222,273	2,592,008	2,907,900	3,032,600
Relation of obligations to outlays:					
71.0001	Obligations incurred, net				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays				

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) SUMMARY**

		Obligations			
		1988 actual	1989 est.	1990 est.	1991 est.
<b>Identification code 21-2032-0-1-051</b>					
Program by activities:					
Direct program:					
Other missiles	1,977,594	1,916,969	2,421,118	2,656,162	
Modification of missiles	119,746	189,125	153,061	142,095	
Spares and repair parts	199,349	193,805	243,466	167,513	
Support equipment and facilities	31,113	39,161	43,521	42,850	
Total direct program	2,327,802	2,339,060	2,861,166	3,008,620	
Reimbursable program	385,144	692,870	281,600	281,600	
Total	2,712,946	3,031,930	3,142,766	3,290,220	
<b>Financing:</b>					
Offsetting collections from:					
Federal funds (-)	-393,539	-512,800	-243,700	-243,700	
Trust funds (-)	-13,537	-53,800	-37,900	-37,900	
Non-Federal sources (-)	-4,076				
Recovery of prior year obligations	-134,255				
Unobligated balance available, start of year:					
For completion of prior year budget plans	-672,200	-653,077	-779,755	-826,489	
Available to finance new budget plans	-94,900	-94,690			
Reprogramming from/to prior year budget plans					
Unobligated balance transferred to other accounts	45,792	94,690			
Unobligated balance available, end of year:					
For completion of prior year budget plans	653,077	779,755	826,489	850,469	
Available to finance subsequent year budget plans	94,690				
Unobligated balance lapsing	28,276				
Budget authority	2,222,273	2,592,008	2,907,900	3,032,600	
Budget authority:					
Appropriation	2,332,237	2,602,800	2,907,900	3,032,600	
Reduction pursuant to P.L. 100-463		-792			
Appropriation rescinded (unobligated balance)	-59,200				
Transferred to other accounts (-)	-50,764	-10,000			
Appropriation (adjusted)	2,222,273	2,592,008	2,907,900	3,032,600	
Relation of obligations to outlays:					
Obligations incurred, net	2,301,794	2,465,330	2,861,166	3,008,620	
Unobligated balance, start of year	4,345,673	4,217,032	4,389,962	4,990,128	
Unobligated balance, end of year	-4,217,032	-4,389,962	-4,990,128	-5,444,048	
Adjustments in expired accounts	-57,676				
Adjustments in unexpired accounts	-134,255				
Outlays	2,238,503	2,292,400	2,261,000	2,554,700	

**Missile Procurement, Army  
Object Classification (in Thousands of dollars) SUMMARY**

	<b>Identification code</b>	<b>21-2032-0-1-051</b>	<b>1988 actual</b>	<b>1989 est.</b>	<b>1990 est.</b>	<b>1991 est.</b>
<b>Direct obligations:</b>						
<b>Other services:</b>						
125.004	Other	432,806	530,608	572,498	620,801	
126.001	Supplies and materials	919,114	785,390	1,164,839	1,190,563	
131.001	Equipment	975,882	1,023,062	1,103,829	1,197,156	
<b>199.001</b>	<b>Total Direct obligations</b>	<b>2,327,802</b>	<b>2,339,060</b>	<b>2,861,166</b>	<b>3,008,820</b>	
<b>Reimbursable obligations:</b>						
<b>Other services:</b>						
225.004	Other	71,609	93,387	93,387	93,387	
226.001	Supplies and materials	152,072	412,709	1,439	1,439	
231.001	Equipment	161,463	186,774	186,774	186,774	
<b>299.001</b>	<b>Total Reimbursable obligations</b>	<b>385,144</b>	<b>692,870</b>	<b>281,600</b>	<b>281,600</b>	
<b>999.901</b>	<b>Total obligations</b>	<b>2,712,946</b>	<b>3,031,930</b>	<b>3,142,766</b>	<b>3,290,220</b>	

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986**

		Budget Plan (amounts for PROCUREMENT actions programmed)		
Identification code	21-2032-0-1-061	1988 actual	1989 est.	1990 est.
<b>Program by activities:</b>				
Direct program:				
Other missiles	00.0101			
Modification of missiles	00.0201			
Spares and repair parts	00.0301			
Support equipment and facilities	00.0401			
Total direct program	00.9101			
Reimbursable program	01.0101			
Total	10.0001			
<b>Financing:</b>				
Offsetting collections from:				
Federal funds (-)	11.0001			
Trust funds (-)	13.0001			
Recovery of prior year obligations	17.0001			
Unobligated balance available, start of year:				
For completion of prior year budget plans	21.4002			
Available to finance new budget plans	21.4003			
Reprogramming from/to prior year budget plans	21.4007	-36,200	-48,268	
Unobligated balance transferred to other accounts	22.4001	31,092		
Unobligated balance lapsing	25.0001	28,276		
Budget authority (Appropriation rescinded) (	40.0017	-25,100		

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986**

**Obligations**

Identification code 21-2022-0-1-051

**Program by activities:**

		1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
Direct program:					
Other missiles		231,049			
Modification of missiles		23,913			
Spares and repair parts		7,489			
Support equipment and facilities		5,063			
		267,514			
Total direct program					
00.9101	Reimbursable program		483		
01.0101					
10.0001	Total		267,997		

**Financing:**

**Offsetting collections from:**

11.0001	Federal funds (-)	717
13.0001	Trust funds (-)	2,220
<b>Recovery of prior year obligations</b>		
17.0001	Unobligated balance available, start of year:	-93,524
21.4002	For completion of prior year budget plans	-225,677
21.4003	Available to finance new budget plans	-36,200
21.4007	Reprogramming from/to prior year budget plans	
22.4001	Unobligated balance transferred to other accounts	31,092
25.0001	Unobligated balance lapsing	28,276
40.0017	Budget authority (Appropriation rescinded) (	-25,100

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987**

**Budget Plan (Amounts for PROCUREMENT  
actions programmed)**

Identification code	21-2032-0-1-061	1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
00.0101	Other missiles				
00.0201	Modification of missiles				
00.0301	Spares and repair parts				
00.0401	Support equipment and facilities				
00.9101	Total direct program				
01.0101	Reimbursable program				
10.0001	Total				
<b>Financing:</b>					
<b>Offsetting collections from:</b>					
11.0001	Federal funds (-)				
13.0001	Trust funds (-)				
14.0001	Non-Federal sources (-)				
17.0001	Recovery of prior year obligations unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-58,700	-81,490		
21.4003	Available to finance new budget plans	-71,590			
21.4007	Reprogramming from/to prior year budget plans	14,700	81,490		
22.4001	Unobligated balance transferred to other accounts unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	81,490			
24.4003	Available to finance subsequent year budget plans	-34,100			
40.0017	Budget authority (Appropriation rescinded) (				

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987**

**Obligations**

Identification code	21-2032-0-1-051	1986 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
Direct program:					
00.0101	Other missiles	215,093	62,993		
00.0201	Modification of missiles	8,347	15,365		
00.0301	Spares and repair parts	5,361	2,396		
00.0401	Support equipment and facilities	7,789	1,478		
00.9101	Total direct program	236,590	82,232		
01.0101	Reimbursable program	14,678	67,821		
10.0001	Total	251,268	150,053		
<b>Financing:</b>					
Offsetting collections from:					
11.0001	Federal funds (-)	-2,482			
13.0001	Trust funds (-)	16,811			
14.0001	Non-Federal sources (-)	14			
17.0001	Recovery of prior year obligations	-40,731			
21.4002	Unobligated balance available, start of year:	-446,523	-150,053		
21.4003	For completion of prior year budget plans	-58,700	-81,490		
21.4007	Available to finance new budget plans				
22.4001	Reprogramming from/to prior year budget plans				
22.4001	Unobligated balance transferred to other accounts	14,700	81,490		
24.4002	Unobligated balance available, end of year:	150,053			
24.4003	For completion of prior year budget plans	81,490			
24.4003	Available to finance subsequent year budget plans				
40.0017	Budget authority (Appropriation rescinded) (	-34,100			

Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

Budget Plan (amounts for PROCUREMENT  
actions programmed)

Identification code 21-2032-0-1-061

	1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
00.0101 Other missiles	1,893,034			
00.0201 Modification of missiles	139,934			
00.0301 Spares and repair parts	203,570			
00.0401 Support equipment and facilities	31,735			
<b>Total direct program</b>	<b>2,268,273</b>			
01.0101 Reimbursable program	428,432			
<b>Total</b>	<b>2,696,705</b>			
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
11.0001 Federal funds (-)	-391,774			
13.0001 Trust funds (-)	-32,568			
14.0001 Non-Federal sources (-)	-4,090			
<b>Unobligated balance available, start of year:</b>				
21.4002 For completion of prior year budget plans				
21.4003 Available to finance new budget plans				
22.4001 Unobligated balance transferred to other accounts				
<b>Unobligated balance available, end of year:</b>				
24.4002 For completion of prior year budget plans	-13,200			
24.4003 Available to finance subsequent year budget plans	13,200			
<b>39.0001 Budget authority</b>	<b>2,281,473</b>			
<b>Budget authority:</b>				
40.0001 Appropriation	2,332,237			
41.0001 Transferred to other accounts (-)	-50,764			
<b>43.0001 Appropriation (adjusted)</b>	<b>2,281,473</b>			

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988**

**Obligations**

Identification code	21-2032-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
<b>Direct programs:</b>					
00.0101	Other missiles	1,531,452	146,919	214,663	
00.0201	Modification of missiles	87,486	29,539	22,909	
00.0301	Spares and repair parts	186,499	14,505	2,566	
00.0401	Support equipment and facilities	18,261	10,820	2,654	
00.9101	Total direct program.	1,823,698	201,783	242,792	
01.0101	Reimbursable program	369,983	58,449		
10.0001	Total	2,193,681	260,232	242,792	
<b>Financing:</b>					
<b>Offsetting collections from:</b>					
11.0001	Federal funds (-)	-391,774			
13.0001	Trust funds (-)	-32,568			
14.0001	Non-Federal sources (-)	-4,090			
14.0001	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans				
22.4001	Unobligated balance transferred to other accounts				
24.4002	Unobligated balance available, end of year:				
24.4003	For completion of prior year budget plans				
39.0001	Available to finance subsequent year budget plans				
39.0001	Budget authority	2,281,473			
<b>Budget authority:</b>					
40.0001	Appropriation	2,332,237			
41.0001	Transferred to other accounts (-)	-50,764			
43.0001	Appropriation (adjusted)	2,281,473			

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989**

		<b>Budget Plan (amounts for PROCUREMENT actions programmed)</b>	
Identification code	21-2032-0-1-051	1988 actual	1989 est.
Program by activities:			
Direct program:			
00.0101 Other missiles		2,157,075	
00.0201 Modification of missiles		177,472	
00.0301 Spares and repair parts		224,402	
00.0401 Support equipment and facilities		33,059	
Total direct program		-----	2,592,008
01.0101 Reimbursable program		-----	566,600
Total	10.0001	-----	3,158,608
Financing:			
Offsetting collections from:			
11.0001 Federal funds (-)		-512,800	
13.0001 Trust funds (-)		-53,800	
Unobligated balance available, start of year:			
21.4002 For completion of prior year budget plans			
24.4002 Unobligated balance available, end of year:			
For completion of prior year budget plans		-----	-----
39.0001 Budget authority		-----	2,592,008
Budget authority:			
40.0001 Appropriation		2,602,800	
40.0004 Reduction pursuant to P.L. 100-463		-792	
41.0001 Transferred to other accounts (-)		-10,000	
43.0001 Appropriation (adjusted)		-----	2,592,008

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989**

**Obligations**

Identification code	21-2032-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
Direct program:					
00.0101	Other missiles	1,707,057	203,759	246,259	
00.0201	Modification of missiles	144,221	16,712	14,539	
00.0301	Spares and repair parts	176,904	26,730	20,768	
00.0401	Support equipment and facilities	26,863	3,486	2,708	
00.9101	Total direct program				
01.0101	Reimbursable program				
10.0001	Total	2,055,045	252,689	284,274	
<b>Financing:</b>					
Offsetting collections from:					
11.0001	Federal funds(-)	-512,800			
13.0001	Trust funds(-)	-53,800			
Unobligated balance available, start of year:					
21.40002	For completion of prior year budget plans				
24.40002	Unobligated balance available, end of year: For completion of prior year budget plans				
39.0001	Budget authority	536,963	284,274		
			2,592,008		
<b>Budget authority:</b>					
40.0001	Appropriation	2,602,800			
40.0004	Reduction pursuant to P.L. 100-463	-792			
41.0001	Transferred to other accounts(-)	-10,000			
43.0001	Appropriation (adjusted)		2,592,008		

**Missile Procurement, Army  
Program and Financing (in thousands of dollars) FISCAL YEAR 1990**

		<b>Budget Plan (Amounts for PROCUREMENT actions programmed)</b>	
<b>Identification Code</b>	<b>21-2032-0-1-051</b>	<b>1988 actual</b>	<b>1989 est.</b>
<b>Program by activities:</b>			
Direct program:			
Other missiles		2,459,252	
Modification of missiles		138,637	
Spares and repair parts		263,914	
Support equipment and facilities		46,097	
Total direct program			2,907,900
Reimbursable program			281,600
Total			3,189,500
<b>Financing:</b>			
Offsetting collections from:			
Federal funds (-)		-243,700	
Trust funds (-)		-37,900	
Unobligated balance available, start of year:			
For completion of prior year budget plans			
Unobligated balance available, end of year:			
For completion of prior year budget plans			
Budget authority (Appropriation)			2,907,900

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990**

**Obligations**

Identification code 21-2032-0-1-051

		1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
00.0101	Other missiles	2,002,696	206,771		
00.0201	Modification of missiles	111,440	15,311		
00.0301	Spares and repair parts	214,170	28,000		
00.0401	Support equipment and facilities	37,379	5,078		
00.9101	Total direct program				
01.0101	Reimbursable program				
10.0001	Total	2,365,685	255,160		
<b>Financing:</b>					
<b>Offsetting collections from:</b>					
11.0001	Federal funds(-)	-243,700			
13.0001	Trust funds(-)	-37,900			
<b>Unobligated balance available, start of year:</b>					
21.4002	For completion of prior year budget plans		-542,215		
24.4002	Unobligated balance available, end of year:			542,215	287,055
40.0001	For completion of prior year budget plans				
<b>Budget authority (Appropriation)</b>					
			2,907,900		

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991**

		Budget Plan (amounts for PROCUREMENT actions programmed)		
		1988 actual	1989 est.	1990 est.
		1991 est.		
<b>Identification code</b>	<b>21-2032-0-1-051</b>			
<b>Program by activities:</b>				
<b>Direct program:</b>				
00.0101     Other missiles	2,701,260			
00.0201     Modification of missiles	140,617			
00.0301     Spares and repair parts	147,770			
00.0401     Support equipment and facilities	42,953			
<b>Total direct program</b>				3,032,600
01.0101     Reimbursable program				281,600
<b>Total</b>				3,314,200
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
11.0001     Federal funds(-)	-243,700			
13.0001     Trust funds(-)	-37,900			
<b>Unobligated balance available, end of year:</b>				
24.4002     For completion of prior year budget plans				
<b>Budget Authority (Appropriation)</b>				3,032,600

**Missile Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991**

**Obligations**

Identification code	21-2032-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
00.0101	Other missiles	2,203,132			
00.0201	Modification of missiles	112,245			
00.0301	Spares and repair parts	118,745			
00.0401	Support equipment and facilities	35,064			
00.9101	Total direct program	2,469,186			
01.0101	Reimbursable program	281,600			
10.0001	Total	2,750,786			
<b>Financing:</b>					
<b>Offsetting collections from:</b>					
11.0001	Federal funds (-)	-243,700			
13.0001	Trust funds (-)	-37,900			
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans	563,414			
40.0001	Budget authority (Appropriation)	3,032,600			

**MISSILE PROCUREMENT, ARMY**

**Section 2**

**Budget Activity Justification**

**Activity 2 - Other Missiles**

**Activity 3 - Modification of Missiles**

**Activity 4 - Spares and Repair Parts**

**Activity 5 - Support Equipment and Facilities**

Department of the Army Annual Budget Estimates <b>JUSTIFICATION</b>	Appropriation Missile Procurement, Army	FY 1990/91 Biennial Budget
Program or Budget Project Account	(Thousands of Dollars)	
	Actual FY 1988	Estimate FY 1989
Activity 2 - Other Missiles	FY 1990	FY 1991

Direct Budget Plan	\$1,893,034	\$2,157,075	\$2,459,252	\$2,701,260
--------------------	-------------	-------------	-------------	-------------

Section 1 - PURPOSE AND SCOPE

Provides for procurement of surface-to-air, antitank assault, surface-to-surface and air-to-surface missile systems; related ground support equipment; and initial issue and replacement of losses consumed in reliability firings, crew proficiency firings, and other training activities.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

<u>CHAPARRAL Missile System (P-1 Line Item No. 1)</u>	( \$ in Thousands )	FY 1991
	FY 1990	\$25,700
	\$30,787	

\$30.8 million is requested in FY 1990 for procurement of 422 Rosette Scan Seeker (RSS) missiles to upgrade CHAPARRAL Missiles with Infrared Counter-Counter Measures capability. \$25.7 million requested in FY91 continues procurement of 454 CHAPARRAL RSS missiles. CHAPARRAL fire units and missiles have been aggressively upgraded and will remain in the active component and Army National Guard force structure. The RSS missile provides the state-of-the-art capability to remain effective on the modern battlefield.

Non Line of Sight Air Defense System (P-1 Line Item No.2)

(\$ in Thousands)	
<u>FY 1990</u>	<u>FY 1991</u>
\$ -	<u>\$ 76,900</u>

\$76.9 million is requested in FY 1991 for procurement of 12 Non Line of Sight (NLOS) fire units and 256 missiles. The NLOS component of the Forward Area Air Defense will provide defense both day/night and in adverse weather against targets masked by terrain or beyond range of line of sight weapons.

Non Line of Sight Air Defense System, Advance Procurement (P-1 Line Item No.3)

(\$ in Thousands)	
<u>FY 1990</u>	<u>FY 1991</u>
<u>\$ 32,469</u>	<u>\$54,300</u>

\$32.5 million is requested in FY 1990 and \$54.3 million is requested in FY 1991 to procure long leadtime items to support the low rate initial production of Non Line of Sight System.

Air Defense System-Heavy (P-1 Line Item No. 4)

(\$ in Thousands)	
<u>FY 1990</u>	<u>FY 1991</u>
<u>\$351,571</u>	<u>\$338,082</u>

\$351.6 million is requested in FY 1990 for the procurement of 424 Line of Sight Forward Heavy-Air Defense missiles and 18 fire units. \$338.1 million is requested in FY 1991 for the procurement of 669 missiles and 30 Line of Sight Forward Heavy fire units. Line of Sight Forward-Heavy is a component of the Forward Area Air Defense System designed to counter the line of sight fixed wing and helicopter threat to forces in Heavy Divisions (Armored and Mechanized Infantry).

Air Defense System-Heavy, Advance Procurement (P-1 Line Item No. 5)

(\$ in Thousands)	
<u>FY 1990</u>	<u>FY 1991</u>
<u>\$51,600</u>	<u>\$54,800</u>

\$51.6 million is requested in FY 1990 and \$54.8 million is requested in FY 1991 to procure long leadtime items, such as radar assemblies, electro-optical components, missile guidance controls and operation display units, for production of the Air Defense System-Heavy.

HAWK Missile System (P-1 Line Item No. 6)

(\$ in Thousands)

FY 1990	FY 1991
<u>\$55,358</u>	<u>\$48,500</u>

\$55.4 million is requested in FY 1990 to procure 358 HAWK missiles. In FY 1991, \$48.5 million is requested for 358 HAWK missiles. This completes the USMC multiyear contract (FY 1988/FY1991) of which the Army receives the last two years of procurement.

Other Missile Support (P-1 Line Item No. 7)

(\$ in Thousands)

FY 1990	FY 1991
<u>\$997</u>	<u>\$4,700</u>

\$1.0 million in FY 1990 and \$4.7 million in FY 1991 procures replacement HAWK rocket motors and peculiar support equipment.

PATRIOT Missile System (MYP) (P-1 Line Item No. 8)

(\$ in Thousands)

FY 1990	FY 1991
<u>\$924,488</u>	<u>\$859,939</u>

\$924.5 million is requested in FY 1990 for 815 PATRIOT Missiles and 3 fire units for the US, and PATRIOT ground equipment (10 Radars, 10 Engagement Control Stations, and 2 Information Coordination Controls for Italy under a Cooperative Air Defense Agreement). In FY 1991 \$859.9 million is requested for procurement of 817 missiles for the US, and completes the procurement of ground equipment for Italy (10 Radars, 10 Engagement Control Stations and 2 Information Coordination Controls).

STINGER Missile System (MYP) (P-1 Line Item No. 10)

(\$ in Thousands)

FY 1990	FY 1991
<u>\$187,545</u>	<u>\$258,800</u>

\$187.5 million is requested for the procurement of 4,754 Stinger-RMP missiles in FY 1990 and \$258.8 million for 7,203 Stinger-RMP missiles in FY 1991. The Stinger is a manportable air defense missile system that provides self-defense to forward deployed, company size combat units. The Stinger missile is also employed on the Pedestal Mounted Stinger System, a component of the Forward Area Air Defense System (FAADS). Head-to-head competition between two Stinger missile producers begins in FY 1990. Beginning in FY 1991, the Army plans to initiate a three year multiyear contract with both Stinger producers.

	(\$ in Thousands)	FY 1990	FY 1991
<u>STINGER Advance Procurement (MYP) (P-1 Line Item No. 11)</u>		<u>-</u>	<u>\$21,300</u>

\$21.3 million requested in FY 1991 to procure advance material in economic order quantities in support of the multiyear procurement of the STINGER Missile System.

Line of Sight-Rear Fire Unit (MYP) (P1 Line Item No. 12)

	(\$ in Thousands)	FY 1990	FY 1991
		<u>\$115,754</u>	<u>\$110,100</u>

\$115.8 million is requested in FY 1990 for 122 Pedestal Mounts for the Stinger Missile System and \$110.1 million is requested in FY 1991 for 132 Pedestal Mounts. The Line of Sight-Rear (LOS-R) component of the Forward Area Air Defense System (FAADS), the Pedestal Mounted Stinger (PMS) consists of a launcher/cARRIER for eight ready to fire Stinger Missiles and a .50 caliber machine gun integrated with sensors and devices to provide day/night and adverse weather target detection, acquisition, tracking, target ranging, and identification friend or foe (IFF). Beginning in FY 1991, the Army plans to initiate a five year multiyear procurement of the PMS System.

Line of Sight-Rear Fire Unit Advance Procurement (MYP) (P1 Line Item No. 13)

	(\$ in Thousands)	FY 1990	FY 1991
		<u>\$ -</u>	<u>\$25,700</u>

\$25.7 million is requested in FY 1991 to procure advance materials in economic order quantities in support of the multiyear procurement of the Line of Sight-Rear Fire Unit.

Laser HELLPFIRE System (P-1 Line Item No. 14)

	(\$ in Thousands)	FY 1990	FY 1991
		<u>\$138,326</u>	<u>\$137,941</u>

\$138.3 million is requested in FY 1990 to procure 3,102 missiles and associated equipment. \$137.9 million is requested in FY 1991 to procure 3,002 HELLPFIRE missiles and associated equipment. The HELLPFIRE missile system is designed to defeat the current and future armor threat at stand-off ranges. HELLPFIRE is the primary armament of the AH-64 helicopter.

Advanced Antitank Weapon System-Medium (AAWS-M) (P1 Line Item No. 15)

	(\$ in Thousands)	
	FY 1990	FY 1991
	\$ 0	\$10,870

\$10.9 million is requested in FY 1991 to procure long lead items for low rate initial production of the Advanced Antitank Weapon System-Medium (AAWS-M).

TOW Missile System (P-1 Line Item No. 16)

	(\$ in Thousands)	
	FY 1990	FY 1991
	\$114,710	\$168,700

The FY 1990 budget request of \$114.7 million will procure 9,455 TOW-2 missiles including the initial quantities of the improved lethality TOW-2B warhead, and ground support equipment. FY 1991 request of \$168.7 million procures 13,284 TOW-2 missiles, including 3,000 missiles from the newly developed 2nd production source. The system is an upgrade of the basic TOW which was originally fielded in 1970. The TOW-2B is a further upgrade designed to defeat threat armor until the fielding of Advanced Antitank Weapons System-Heavy (AAWS-H).

Multiple Launch Rocket System (MLRS) (MYP) (P-1 Line Item No. 17)

	(\$ in Thousands)	
	FY 1990	FY 1991
	\$251,374	\$250,070

\$251.4 million is requested to procure 24,000 rockets, 41 launchers and associated ground support equipment in FY 1990. \$250.1 million is requested to procure 24,000 rockets, 44 launchers, and associated ground support equipment in FY 1991. The MLRS is a free-flight, multiple launch rocket system with a dual purpose improved conventional munition warhead. MLRS includes a tracked, self-propelled launcher/loader, disposable launch pod container, and rockets. Its mission is to neutralize or suppress enemy field artillery and air defense systems, and supplement cannon artillery.

Multiple Launch Rocket System (MLRS) (MYP) Advance Procurement  
(P1 Line Item No. 18)

	(\$ in Thousands)	
	FY 1990	FY 1991
	\$63,400	\$66,000

\$63.4 million is requested in FY 1990 and \$66.0 million is requested in FY 1991 to procure advance materials in economic order quantities to support the multiyear procurement contract for MLRS production.

Army Tactical Missile System (ATACMS) (Pl Line Item No. 19)

(\$ in Thousands)		
	FY 1990	FY 1991
	<u>\$133,273</u>	<u>\$183,958</u>

\$133.3 million is requested in FY 1990 for procurement of 276 missiles and \$184.0 million is requested in FY 1991 for procurement of 452 missiles. The Army Tactical Missile System is an improved conventional semi-ballistic missile system designed to attack targets at ranges beyond the capabilities of existing cannons and rockets. ATACMS will be transported and launched from the Multiple Launch Rocket System (MLRS) launcher.

Army Tactical Missile System (ATACMS) Advance Procurement  
(Pl Line Item No. 20)

(\$ in Thousands)		
	FY 1990	FY 1991
	<u>\$7,600</u>	<u>\$4,900</u>

\$7.6 million in FY 1990 and 4.9 million in FY 1991 is requested for the procurement of long leadtime for the Army Tactical Missile System.

Program or Budget Project Account	Appropriation	FY 1990/91 Biennial Budget
(Thousands of Dollars)		
Activity 3 - Modification of Missiles	Actual Estimate FY 1988 FY 1989 FY 1990 FY 1991	
<u>Direct Budget Plan</u>	<u>\$139,934</u>	<u>\$177,472</u>
	<u>\$138,637</u>	<u>\$140,617</u>

Section 1 - PURPOSE AND SCOPE

Provides for the modification of Surface-to-Air, Surface-to-Surface, and Antitank missile systems.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

PATRIOT Modifications (P-1 Line Item No. 21)

(\$ in Thousands)	
FY 1990	FY 1991
<u>\$19,449</u>	<u>\$18,400</u>

\$19.4 million is requested in FY 1990 and \$18.4 million in FY 1991 is requested for emplacement enhancements, optical disk readers, digital link upgrades and the Modification Work Order (MWO) program.

Program or Budget Project Account	Appropriation	FY 1990/1991 Biennial Budget
(\$ in Thousands of Dollars)		
Activity 4 - Spares and Repair Parts	Actual <u>FY 1988</u>	Estimate <u>FY 1989</u>
Direct Budget Plan	\$203,570	\$224,402
	FY 1990	Estimate <u>FY 1991</u>
		\$263,914
		\$147,770

Section 1 - PURPOSE AND SCOPE

Provides for the procurement of initial provisioning, peacetime replenishment, and mobilization reserve of repairable major assemblies and repair parts for surface-to-air, air-to-surface, surface-to-surface, and antitank missile systems and support items.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Required for the procurement of initial provisioning, peacetime replenishment, and mobilization reserve requirements of centrally managed, high dollar value depot repairable missile system components, assemblies, and repair parts which are not carried in Army stock fund inventories.

Spares and Repair Parts(P-1 Line Item No. 31)

(\$ in Thousands)  

FY 1990	FY 1991
\$263,914	\$147,770

Initial Provisioning is requested to support the following major item procurements:

System <u>PATRIOT</u>	FY 1990 <u>\$ 47.1</u>	FY 1991 <u>.4</u>
Pedestal	8.3	4.0
Mounted Stinger		
MLRS	21.4	8.1
TOW 2	3.0	2.6
AIR DEF SYS-HIVY	26.4	.9

HAWK Modifications (P-1 Line Item No. 23)

(\$ in Thousands)		
	FY 1990	FY 1991
	<u>\$28,781</u>	<u>\$32,830</u>

\$28.8 million is requested in FY 1990 for the fourth year production buy of Phase III modification kits to improve the HAWK missile capabilities. The Phase III modification will improve fire power, low altitude target engagement, and training capabilities of each fire unit, as well as reduce operator and maintenance workloads. \$32.8 million is requested in FY 1991 to continue Phase III procurement.

TOW Modifications (P-1 Line Item No. 24)

(\$ in Thousands)		
	FY 1990	FY 1991
	<u>\$59,262</u>	<u>\$54,300</u>

\$59.3 million is requested in FY 1990 and \$54.3 million in FY 1991 to provide an increased anti-armor capability by retrofitting TOW 2 missiles to a more lethal configuration, increased performance and hardening against obscurants, electrical optical countermeasures for the TOW missile, and to modify missiles to support training requirements.

MLRS Modifications (P-1 Line Item No. 28)

(\$ in Thousands)		
	FY 1990	FY 1991
	<u>\$28,567</u>	<u>\$27,287</u>

\$28.6 million is requested in FY 1990 and \$27.3 million is requested in FY 1991 to fund procurement of kits to modify MLRS launchers to make them capable of launching the Deep Battle family of improved munitions (ATACMS, SADARM and MLRS-TGW).

Tractor Rig (P1 Line Item No. 29)

(\$ in Thousands)		
	FY 1990	FY 1991
	<u>\$2,578</u>	<u>\$7,800</u>

This is a classified program.

Department of the Army Annual Budget Estimates <b>JUSTIFICATION</b>	Appropriation <b>FY 1990/1991 Biennial Budget</b>
<b>Program or Budget Project Account</b>	(Thousands of Dollars)
<b>Activity 4 - Spares and Repair Parts</b>	
<b>Direct Budget Plan</b>	<b>\$203,570      \$224,402      \$263,914      \$147,770</b>

Section 1 - PURPOSE AND SCOPE

Provides for the procurement of initial provisioning, peacetime replenishment, and mobilization reserve of repairable major assemblies and repair parts for surface-to-air, air-to-surface, surface-to-surface, and antitank missile systems and support items.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Required for the procurement of initial provisioning, peacetime replenishment, and mobilization reserve requirements of centrally managed, high dollar value depot repairable missile system components, assemblies, and repair parts which are not carried in Army stock fund inventories.

Spares and Repair Parts(P- Line Item No. 31)

(\$ in Thousands)

<b>FY 1990</b>	<b>FY 1991</b>
<b>\$263,914</b>	<b>\$147,770</b>

Initial Provisioning is requested to support the following major item procurements:

<u>System</u>	<u>FY 1990</u>	<u>FY 1991</u>
<b>PATRIOT</b>	<b>\$ 47.1</b>	<b>.4</b>
Pedestal	8.3	4.0
Mounted Stinger	21.4	8.1
MLRS	3.0	2.6
TOW 2	26.4	.9
AIR DEF SYS-IVY		

<u>System</u>	<u>FY 1990</u>	<u>FY 1991</u>
HAWK MODS	\$ 5.5	1.6
PATRIOT MODS	8.9	.8
TOW MODS	2.1	
MLRS MODS	4.1	.8
	<u>126.8</u>	<u>19.2</u>

\$137.1 million is requested in FY 1990 and \$128.6 million is requested in FY 1991 for missile system peacetime replenishment repair parts.

<u>Department of the Army Annual Budget Estimates JUSTIFICATION</u>	<u>Appropriation Missile Procurement, Army Biennial Budget</u>	<u>FY 1990/1991 Biennial Budget</u>	
<u>Program or Budget Project Account</u>	<u>(Thousands of Dollars)</u>		
<u>Activity 5 - Support Equipment &amp; Facilities</u>	<u>Actual FY 1988</u>	<u>Estimate FY 1989</u>	<u>Estimate FY 1990</u>
<u>Direct Budget Plan</u>	<u>\$31,735</u>	<u>\$33,059</u>	<u>\$46,097</u>

Section 1 - PURPOSE AND SCOPE

Provides for the procurement of support equipment, miscellaneous items less than \$2.0 million and Production Base Support for Army missile systems.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

<u>Air Defense Targets (P-1 Line Item No. 32)</u>	<u>(\$ in Thousands)</u>	<u>FY 1990</u>	<u>FY 1991</u>
<u>Items Less Than \$2.0 Million (P-1 Line Item No. 33)</u>	<u>\$33,317</u>	<u>\$33,132</u>	<u>\$33,132</u>

\$33.3 million is requested in FY 1990 and \$33.1 million in FY 1991 for procurement of air defense targets, towed targets and ground support systems. This program provides targets for training of air defense personnel.

<u>Items Less Than \$2.0 Million (P-1 Line Item No. 33)</u>	<u>(\$ in Thousands)</u>	<u>FY 1990</u>	<u>FY 1991</u>
		<u>\$2,172</u>	<u>\$2,965</u>

\$2.2 million is requested in FY 1990 and \$3.0 million in FY 1991 for procurement of tools and test sets to support missile system maintenance and repair.

Production Base Support (P-1 Line Item No. 34)

(\$ in Thousands)

	FY 1990	FY 1991
	\$10,608	\$6,856

\$10.6 million is requested in FY 1990 and \$6.9 million is requested in FY 1991 for production base support for missiles and air defense. This request includes funding for new and replacement equipment at White Sands Missile Range, rehabilitation/replacement of buildings and equipment at Government Owned/Contractor Operated Facilities, and the procurement of plant equipment required to support the depot maintenance mission.

MISSILE PROCUREMENT, ARMY

Section 3

Comparison of Programming Requirements and Financing

Comparison of FY 1989 program requirements as reflected in the amended FY 1988/1989 Biennial Budget with FY 1989 program requirements as shown in the FY 1990/1991 Biennial Budget.

Comparison of FY 1989 financing as reflected in the amended FY 1988/1989 Biennial Budget with FY 1989 financing as shown in the FY 1990/1991 Biennial Budget.

Comparison of FY 1988 program requirements as reflected in the amended FY 1988/1989 Biennial Budget with FY 1988 program requirements as shown in the FY 1990/1991 Biennial Budget.

Comparison of FY 1988 financing as reflected in the amended FY 1988/1989 Biennial Budget with FY 1988 financing as shown in the FY 1990/1991 Biennial Budget.

**COMPARISON OF FY 1989 PROGRAM REQUIREMENTS  
AS REFLECTED IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET  
WITH THE FY 1989 PROGRAM REQUIREMENTS AS SHOWN  
IN THE FY 1990/1991 BIENNIAL BUDGET  
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)**

Appropriation Missile Procurement, Army	FY 1989 Requirements Per Amended FY 1988/1989 Biennial Budget	FY 1989 Requirements Per FY 1990/1991 Biennial Budget	Increase (+) or Decrease (-)
Activity 2 - Other Missiles	2,136,267	2,157,075	+20,808
Activity 3 - Modification of Missiles	162,772	177,472	+14,700
Activity 4 - Spares and Repair Parts	254,302	224,402	-29,900
Activity 5 - Support Equipment and Facilities	33,259	33,059	-200
 <hr/>	 <hr/>	 <hr/>	 <hr/>
TOTAL	2,586,600	2,592,008	+5,408

**EXPLANATION BY ACTIVITY**

Activity 2 - Other Missiles - The net increase is due to Congressional changes to Chaparral (-\$1,000), Hellfire (+\$25,000), MLRS (\$15,000), ATACMS (-\$9,400) and application of a general reduction (-\$792) and an Army reprogramming sourcing inflation savings (-\$8,500).

Activity 3 - Modification of Missiles - The net increase is due a Congressional increase to TOW II (+\$15,200) and an Army reprogramming sourcing inflation savings (-\$500).

Activity 4 - Spares and Repair Parts - The decrease is due to Congressional Action (-\$29,100) and an Army reprogramming of inflation savings (-\$800)

Activity 5 - Support Equipment and Facilities - The decrease is due to an Army reprogramming of inflation savings (-\$200).

COMPARISON OF FY 1989 FINANCING AS REFLECTED  
IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET WITH FY 1989 FINANCING  
AS SHOWN IN FY 1990/1991 BIENNIAL BUDGET

(In Thousands of Dollars)

	FY 1989 Financing Per Amended FY 1988/1989 Biennial Budget	FY 1989 Financing Per FY 1990/1991 Biennial Budget	FY 1989 Increase (+) or Decrease (-)
Program Requirements (Total)	3,031,300	3,158,608	+127,308
Program Requirements (Service Account)	(2,586,600)	(2,592,008)	(+5,408)
Program Requirements (Reimbursable)	(44,700)	(566,600)	(+121,900)
Less:			
Anticipated reimbursements	-444,700	-566,600	-121,900
Unobligated balance available from prior year to finance new budget plans			
Add:			
Unobligated balance transferred to other accounts			
		-94,690	-94,690
BUDGET AUTHORITY			
Appropriation	2,586,600	2,592,008	+5,408
EXPLANATION:			

Anticipated reimbursements increased \$121,900 because orders are greater than originally anticipated.

The unobligated balances available at the start of the year and unobligated balance transferred to other accounts were adjusted to reflect FY 1989 Congressional rescissions of \$75,200 from the FY 1987 program and \$3,800 from FY 1988 and reprogramming requests of \$6,290 in FY 1987 and \$9,400 in FY 1988 for which Congressional action has not been completed.

**COMPARISON OF FY 1988 PROGRAM REQUIREMENTS  
AS REFLECTED IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET  
WITH THE FY 1988 PROGRAM REQUIREMENTS AS SHOWN  
IN THE FY 1990/1991 BIENNIAL BUDGET  
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)**

Appropriation	FY 1988		FY 1988	
	Requirements Per	Amended FY 1988/1989	Requirements Per	FY 1988 Increase (+) or Decrease (-)
	Biennial Budget	FY 1990/1991 Biennial Budget		
Activity 2 - Other Missiles	1,904,497		1,893,034	-11,463
Activity 3 - Modification of Missiles	134,977		139,934	+4,957
Activity 4 - Spares and Repair Parts	246,600		203,570	-43,030
Activity 5 - Support Equipment and Facilities		34,677	31,735	-2,942
<b>TOTAL</b>	<b>2,320,751</b>		<b>2,268,273</b>	<b>-52,478</b>

**EXPLANATION BY ACTIVITY**

**Activity 2 - Other Missiles** - The net change resulted from cancellation of an Operating Tempo reprogramming (+\$35,000) and approved reprogrammings for Special Programs (-\$9,400), Readiness (-\$6,010), Military Pay (-\$9,405), INF Treaty (-\$5,700) and Lance Mods (-\$5,600), and Congressional rescission (-\$3,800), in addition to various below threshold reprogrammings (-\$6,548).

**Activity 3 - Modification of Missiles** - The net change resulted from reprogrammings for Lance Mods (+\$5,600), INF Treaty (-\$4,900), and Military Pay (-\$3,793), in addition to below threshold reprogrammings of +\$8,050.

**Activity 4 - Spares and Repair Parts** - The net change is the result of cancellation of an Operating Tempo reprogramming (-\$35,000), approval of a Military Pay reprogramming (-\$6,730), and below threshold reprogrammings (-\$1,300).

**Activity 5 - Support Equipment and Facilities** - The decrease is due to a Military Pay reprogramming (-\$2,740) and below threshold reprogrammings (-\$202).

**COMPARISON OF FY 1988 FINANCING AS REFLECTED  
IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET WITH FY 1989 FINANCING  
AS SHOWN IN FY 1990/1991 BIENNIAL BUDGET**

		(In Thousands of Dollars)		
		FY 1988 Financing Per Amended FY 1988/1989 Biennial Budget	FY 1988 Financing Per FY 1990/1991 Biennial Budget	FY 1988 Increase (+) or Decrease (-)
<b>Appropriation</b>				
<b>Missile Procurement, Army</b>				
Program Requirements (Total)		2,765,451	2,696,705	-68,746
Program Requirements (Service Account)		(2,320,751)	(2,268,273)	(-52,478)
Program Requirements (Reimbursable)		(444,700)	(428,432)	(-16,268)
<b>Less:</b>				
Anticipated reimbursements		-444,700	-428,432	+16,268
Unobligated balance available from prior year to finance new budget plans		-94,900	-94,900	0
Reprogramming from prior year budget plans			-119,858	119,858
<b>Add:</b>				
Unobligated balance transferred to other accounts		+35,700	+45,792	+10,092
Unobligated balance available to finance subsequent year budget plans			+94,690	+94,690
Unobligated balance lapsing			+28,276	+28,276
<b>BUDGET AUTHORITY</b>				
Appropriation		2,261,551	2,222,273	-39,278

**EXPLANATION:**

The reimbursement program (offsetting collection) decreased because orders from customers were less than anticipated. The reprogramming from/to prior year budget plans was adjusted to reflect: FY 1986 reprogrammings initiated and approved in FY 1988 (-\$19,992) and FY 1986 lapsing (-\$28,276), FY 1987 rescission in the FY 1989 Appropriation Act (-\$75,200) and denial of a portion of an FY 1987 SOF modification reprogramming (+\$3,610).

The unobligated balance transferred to other accounts resulted from new FY 1986 reprogrammings approved in FY 1988 (+\$19,992) and the FY 1987 SOF modification reprogramming (-\$9,900) carryover into FY 1989.

The unobligated balance available to finance subsequent year budget plans resulted from FY 1989 Congressional rescissions from the FY 1987 program of \$75,200 and from the FY 1988 program of \$3,800 and reprogramming requests of \$6,290 in FY 1987 and \$3,850 in FY 1988 for which Congressional action has not been completed.